VME Intensity Monitor - Bug #11996

Milestone # 11965 (New): April Release - 201604A

Remove Conditional Compilation for Addressing

03/20/2016 05:52 PM - Roger Tokarek

Status:	Work in progress		**Start date:**	03/20/2016
Priority:	High		**Due date:**	
Assignee:	Roger Tokarek		**% Done:**	0%
Category:	Hygiene		**Estimated time:**	2.00 hours
Target version:			**Spent time:**	0.00 hour

Description

Variants are used to determine which implementation of VmeAxToLocal() should be used. If the target of the compilation is a Motorola processor we use VmeA32ToLocal(). if the target is an Artesyn processor we use VmeA32ToLocalArtesyn(). If we replace one type of processor in a crate we need to remember to recompile for the new processor.

History

#1 - 03/20/2016 06:02 PM - Roger Tokarek

- Subject changed from Remove Addressing Variants to Remove Conditional Compilation for Addressing

- Estimated time set to 2.00 h

Possible Solutions

1. Implement a switch tested against a startup script setting.
2. Find out from Mike S. if there is an identifier in the kernel that can be checked.

#2 - 03/21/2016 11:05 AM - Roger Tokarek

Conversation with Mike S. Mike suggested that since the A32 bus address is different for the Motorola and Artesyn boards that we test each against the status return of sysBusToLocalAdrs(). Motorola board A32 base address is 0x0 (confirm) and the Artesyn A32 base address is 0x8000000 (confirm).

#3 - 08/03/2016 10:54 AM - Roger Tokarek

- Status changed from New to Work in progress

- Priority changed from Normal to High